

Curriculum Vitae

NAME: Julia Volaufova, Ph.D.

ACADEMIC RANK: Professor

EDUCATION:

- 1974 Graduate (equivalent to M.S.), Probability and Mathematical Statistics, Faculty of Natural Sciences, Comenius University Bratislava, Czechoslovakia; theses under L.Kubáček.
- 1975 RNDr. (Rerum Naturalis Doctor), Faculty of Natural Sciences, Comenius University Bratislava, Czechoslovakia.
- 1984 Candidate of Sciences (equivalent to Ph.D.), Probability and Statistics, Faculty of Mathematics and Physics, Comenius University Bratislava, Czechoslovakia; dissertation under L. Kubáček.

PROFESSIONAL EXPERIENCE:

- 1974 - Research Scientist, Department of Theoretical Methods, Institute of Measurement Science, Slovak Academy of Sciences
- 1994-fall sem. Visiting Associate Professor, Dept. of Biometry and Genetics, LSU Medical Center, New Orleans, LA
- 1995 - 1996 Visiting Associate Professor, Dept. of Experimental Statistics, LSU, Baton Rouge, LA
- 1995 - 1997 Visiting Associate Professor, Dept. of Biostatistics, Pennington Biomedical Research Center, LSU, Baton Rouge, LA
- 1997 - 2002 Associate professor – research, Head, Biostatistics and Data Management Core, Pennington Biomedical Research Center, LSU, Baton Rouge, LA
- July 2002 – June 2004 Professor – research, Head, Biostatistics and Data Management Core, Pennington Biomedical Research Center, LSU, Baton Rouge, LA
- July 2004 - Professor, Biostatistics Program, School of Public Health, LSUHSC New Orleans

- July 2004 - Adjunct professor, Pennington Biomedical Research Center, LSU, Baton Rouge, LA
- July 2005 - Adjunct professor, Department of Experimental Statistics, LSU, Baton Rouge, LA

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

American Statistical Association - Fellow of the ASA (elected August 2011)
Institute of Mathematical Statistics
Bernoulli Society
International Statistical Institute
International Linear Algebra Society
Union of Slovak Mathematicians and Physicists

GRANTS AND OTHER PROJECTS:

Completed:

1. Research study stay grant under an exchange program between Deutsche Forschungs Gemeinschaft (DFG) and the Slovak Academy of Sciences. Institute of Stochastik, University Augsburg, September - October, 1988. (Prof. Friedrich Pukelsheim).
2. "Delta Nutrition Project". Role on project: statistical analysis supervisor. (G. Bray PI). USDA 58-6251-7-008. 1995-1999.
3. "24 Week Multicenter Randomized Double-Blind Placebo-Controlled Parallel Group Study to Investigate the Efficacy and Tolerability of 300 mg per Day or 400 mg per Day of Bupropion SR Compared to Placebo for Treatment of Obesity". Role on the project - contract: supervisor of statistical analysis from all 6 centers. (J. Anderson/F.Greenway PI). Glaxo Welcome. 1999 -2001.
4. "Efficacy of Diet Therapy in Subjects at Risk for CHD". Role on project: statistical analysis supervisor. (M.Lefevre PI) NIH (NHLBI) R01 HL56241-01A1. 1997 - 2000.
5. "Military Nutrition Research: Eight Tasks to Address Medical Factors Limiting Soldier Effectiveness". Role on project: statistical analysis supervisor. (D.Ryan PI). US Army DAMD17-97-2-7013. 1997 - 2002.
6. USDA Delta NIRA. Role on project: statistical consultant.
7. "Development and Health Benefits of Functional Foods Derived from Mid South Crops". Role on project: statistical analysis supervisor (M. Lefevre PI) Arkansas-Sub. USDA 76-00, 2000 - 2004.
8. "Military Nutrition Research". Role on project: statistical analysis supervisor. (D. Ryan PI). US Army 054-01. 2001 - 2006.
9. "Metabolic Adaptations to Two Year Caloric Restrictions". CALERIE. \$2,000,000, Role on project: co-investigator, responsible for statistical issues. (E. Ravussin PI). NIH(NIA) 080-01. 2002-2005.

10. RO1 HD041071 (Sothorn) 9/24/04-8/31/07 NIH , \$516,343 (Annual: \$256,343) Insulin Sensitivity in Children with Low Birth Weight. (10%) The goal is to study insulin sensitivity in 7-9 y. African-American and Caucasian children with low birth. Look into associations with body composition measures.
11. P01 AG022064 (Jazwinski) 7/1/04-9/30/2010, NIH/NIA, \$108,848 Determinants of Human Longevity and Healthy Aging, Core B: Data Management and Sampling. Core B PI at LSUHSC since 03/16/2009 (25%). The major goal of this project is to develop secured online data entry and statistical analysis utilizing the state-of-art methodology at the same time continuing the expanding sampling and subject recruitment for the Louisiana Healthy Aging Study.
12. R01 HD049046 (Sothorn) 05/16/05-02/28/2010 NIH, \$1,433,956 (Annual: \$526,000) Mechanisms for the Metabolic Syndrome in Prepubertal African-American and Caucasian children. (15%) The goal is to study insulin sensitivity and develop a metabolic syndrome measure for children of young age. Look into association between metabolic syndrome measures and birth weight, as well as other energy expenditure and body composition measures in 400 African-American and Caucasian children.
13. 158130021A (Dr. Melinda Sothorn PI) 07/01/2010 - 06/30/2012. Department of Health and Hospitals, Office of Public Health (LA). Childhood Obesity Child Care Initiative (10%). The objective of the study is to implement the NAP SACC program in child care centers across Louisiana and to evaluate its impact on weight status, physical activity and nutritional intake of children compared to randomly selected control centers. Role: Statistical co-investigator.
14. P60 AA009803-17 (Steve Nelson) 12/1/2009 – 11/30/2014, NIH, Alcohol, HIV infection and host defense (10%). The Comprehensive Alcohol Research Center (CARC) is a multidisciplinary center whose broad focus is to study the effect of alcohol on HIV disease prevention, progression and treatment, including community-based intervention program. The goal is to stimulate and encourage the development of multiple perspectives and approaches to the health consequences of HIV infection in alcohol-using and abusing population. Role: Data management and statistical analysis coordinator.

Submitted:

1. An Evaluation of a Holistic Juvenile Defense Model and Comparison with Alternative Juvenile Defense Practice Outcomes. Role: Biostatistician co-investigator. Submitted to NIJ. PI: Dr. Stephen Fillippi. (2015, Not funded)
2. Molecular Basis for Individual Susceptibility to Neural Tube. Role: Sub-contract biostatistics co-investigator. Submitted to NIH (**Resubmitted March 2016**). PI: Dr. Claudia Kappen, PBRC.

HONORS AND AWARDS:

Invited Talks:

1. **Volaufová J.** Estimation of parameters of mean in n-stage linear models. Talk at the University Augsburg, Germany, April 1986.
2. **Volaufová J.** Charakteristiky točnosti v linejnoj regresionnoj modeli. (In Russian). Talk at JINR Dubna, U.S.S.R., September 1986.
3. **Volaufová J.** The variance of two-stage estimator in variance-covariance components model. Talk at the University Augsburg, Germany, October 1988.
4. **Volaufová J.** Locally best MSE estimator of variance components in mixed linear models. Talk at Workshop "Variance components --- estimation and testing", Wrocław, Poland, September 1990.
5. **Volaufová J.** Linear estimation of variance-covariance components under linear restrictions. Colloquium at the Department of Statistics, Penn State University, State College, October 27, 1994.
6. **Volaufová J.** Linear estimation of variance-covariance components under linear restrictions. Colloquium at the Department of Experimental Statistics, Louisiana State University, Baton Rouge, October 17, 1994.
7. **Volaufová J.** Estimation and Prediction in a Special Type of Random Effects Model. Colloquium at the Department of Biometry and Genetics, LSU Medical Center, New Orleans, December 5, 1994.
8. **Volaufová J., L.R. LaMotte, and A.Brezna.** Interval estimation of noncentrality parameter of noncentral F-distribution. Talk presented at the Third International Conference PROBASTAT'98. February 9-13, 1998, Smolenice, Slovak Republic.
9. **Volaufová J.** Estimation problems in a multistage linear model. Invited plenary session talk at the Ninth International Workshop on Matrices and Statistics. December 9 - 13, 2000. Hyderabad, India.
10. **Volaufova, J., LaMotte, L.R.:** Comparison of Fixed Effects Tests in Two-Way Heteroscedastic Mixed Models. Twelfth International Workshop on Matrices and Statistics. Dortmund, Germany, August 5 -- 8, 2003.
11. **Volaufova, J., LaMotte, L.R.:** On Estimation and Testing for Fixed Effects in Two-Way Heteroscedastic Mixed Models. Statistical Inference in Linear Models STATLIN Bedlewo, Poland, August 21 -- 27, 2003.
12. **Volaufova, J.:** Statistical Methods in Biomedical Research and Measurement Science. Keynote plenary talk at the 5th International Conference Measurement 2005. Smolenice Castle, Slovakia, May 15-19. 2005.
13. **Volaufova, J.:** (Still) Testing for Fixed Effects in General Linear Model. Invited plenary talk at the international conference LINSTAT 2008. Bedlewo, Poland, April 21 – 25, 2008.
14. **Volaufova, J.** Heteroscedastic ANOVA – Old solutions, New views. 17th International Workshop on Matrices and Statistics. Tomar, Portugal, July 22-26, 2008.

15. **Volaufova, J.** Model Choice and Testing in Longitudinal Models. International conference LINSTAT 2010, Tomar, Portugal, July 27-31, 2010.
16. **Volaufova, J.** Testing in random coefficient models. Department of Applied Mathematics and Statistics, Faculty of Mathematics, Physics, and Informatics, Comenius University, Bratislava, Slovakia. November 22, 2010.
17. **Volaufova, J.** Estimation and testing in growth curve models. Department of Probability and Statistics, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic. December 1, 2010.
18. **Volaufova, J.** On testing Problems in Linear Models with Two Variance-covariance Components. ODAM 2011, Olomouc, Czech Republic. January 26-28, 2011.
19. **Volaufova, J.** On new views of old analysis of variance models. Department of Mathematics. Faculty of Civil Engineering, Bratislava, Slovakia. March 23, 2011.
20. **Volaufova, J.** Estimation and Testing in Random Coefficients Growth Curve Models. Institute of Statistics, Stockholm University, Sweden. April 6, 2011.
21. **Volaufova, J.** On Simultaneous Testing in Linear Models with Two Variance-covariance Components. Institute of Statistics, Stockholm University, Sweden. April 13, 2011.
22. **Volaufova, J.** Testing in Linear Models with Two Variance Components. Department of Data Acquisition and Data Quality, Institute of Applied Statistics, Johannes Kepler University, Linz, Austria. May 5, 2011.
23. **Volaufova, J.** Random Coefficient Growth Curve Models. Institute of Mathematics and Statistics, Faculty of Science, Masaryk University Brno, Czech Republic. May 10, 2011.
24. **Volaufova, J.** On Testing Problems in Linear Models with Two Variance-Covariance Components. 9th Tartu Conference on Multivariate Statistics, 20th International Workshop on Matrices and Statistics Tartu, Estonia. June 26 - July 1, 2011.
25. **Volaufova, J.** Generalized R-square in linear mixed models. LinStat 2014, Linkoping University, Sweden, August 24 – 28, 2014.
26. **Volaufova J.,** Burton, J.: Approximate small-sample tests of fixed effects in nonlinear mixed models. 2015 Lloyd Roeling UL Lafayette Mathematics Conference: Statistics. Lafayette, Louisiana, **November 20 – 21, 2015.**

PUBLICATIONS:

Books on Statistics:

Kubáček L., Kubáčková L, and **Volaufová J.** Statistical Models with Linear Structures. Veda, Publishing House of the Slovak Academy of Sciences. pp.iv+471, 1995.

Original Manuscripts on Statistics in Refereed Journals:

1. **Volaufová J.** On the confidence region of a vector parameter. *Mathematica Slovaca*, 30(2):113--120, 1980.

2. **Volaufová J.** Estimation of polynomials in the regression model. *Aplikace matematiky*, 27(3):223--231, 1982.
3. **Volaufová J.** and Kubáček L. Locally and uniformly best estimators in replicated regression model. *Aplikace matematiky*, 28(5):386--390, 1983.
4. Kleffe J. and Volaufová J. Optimality of the sample variance --- covariance matrix in repeated measurement designs. *Sankhya: The Indian Journal of Statistics, Series A*, 47(1):90--99, 1985.
5. **Volaufová J.** and Volauf P. On (non) elementary statistics via plain of the square. (In Slovak). *Matematické obzory*, 32:35--46, 1989.
6. **Volaufová J.** Estimation of parameters of mean and variance in two stage linear models. *Aplikace matematiky*, 32(1):1--8, 1987.
7. **Volaufová J.** Note on the estimation of parameters of mean and variance in n-stage linear models. *Aplikace matematiky*, 33(1):41--48, 1988.
8. **Volaufová J.** and Volauf P. Estimation of quadratic function of parameter of mean. *Aplikace matematiky* 34:155-160, 1989.
9. **Volaufová J.** and Witkovsky V. Least squares and minimum MSE estimators of variance components in mixed linear models. *Biometrical Journal*, 33(8):923--36, 1991.
10. **Volaufová J.** and Witkovský V. Estimation of variance components in mixed linear models. *Applications of Mathematics*, 37(2):139--148, 1992.
11. **Volaufová J.** On the variance of two-stage estimator in variance-covariance components model. *Applications of Mathematics*, 38(1):1--9, 1993.
12. **Volaufová J.** MINQUE of variance components in replicated and multivariate linear model with linear restrictions. *QÜESTIÓ*. 17(2):183--201, 1993.
13. **Volaufová J.** and Komorník, J. Weighted multivariate regression estimates solved by random effects approach. *Biometrical Journal*. 36(3):275--283, 1994.
14. Bognarova M., Kubacek L., **Volaufová J.** Comparison of MINQUE and LMVQUIE by simulation. *Acta Univ. Palacki. Olomouc. Fac. Rer. Nat., Mathematica* 35:25-38, 1996.
15. **Volaufová J.** and LaMotte LR. A note on invariant quadratics. *Linear Algebra and Its Applications*. 264:247-253, 1997.
16. LaMotte LR and **Volaufová J.** Prediction Intervals via Consonant Intervals. *The Statistician*. 48 Part 3:419-424, 1999.
17. **Volaufová J.** Some estimation problems in a two-stage linear model - revisited. *Tatra Mountains Mathematical Publications*. 22:171 – 178, 2001.
18. **Volaufová J.** Some estimation problems in multistage linear models. *Linear Algebra and Its Applications*. 388: 389-397, 2004.
19. **Julia Volaufova**, Lynn R. LaMotte. Comparison of approximate tests of fixed effect in linear repeated measures design models with covariates. *Tatra Mountains Mathematical Publications*. Probastat'06. Eds: (Andrej Pazman, **Julia Volaufova**, Viktor Witkovsky). 39 (2008), 17–25.
20. **Volaufova, J.:** Accuracy of p-values of approximate tests in testing for equality of means under unequal variances. *Mathematica Slovaca*, DOI 10.2478/s12175-009-0156-x. Volume 59, Number 6, December 2009, 679-692.

21. **Volaufova, J.** Heteroscedastic ANOVA – Old p-values, New Views. *Statistical Papers*, DOI 10.1007/s00362-009-0262-4, Volume 50, Number 4, August 2009, 943-962.
22. **Volaufova, J., LaMotte, L.R.:** A Simulation Comparison of Approximate Tests for Fixed Effects in Random Coefficients Growth Curve Models. *Communications in Statistics – Computations and Simulations*. DOI: 10.1080/03610918.2011.635254, February 2013, Volume **42:2**, 344-359. Available online October 17, 2012.
23. **Volaufova, J., Witkovsky, V.:** *On exact inference in linear models with two variance-covariance components*, Tatra Mt. Math. Publ. **51** (October 2012), 173–181.
24. **Volaufova, J.:** Approximate Small Sample Tests of Fixed Effects in Nonlinear Mixed Models. *Communications in Statistics – Computations and Simulations*. Volume 43, Issue 09, pp 2117 – 2137. October 2014. DOI: 10.1080/03610918.2013.835407.
25. Burton, JH, **Volaufova, J.:** Approximate testing in two-stage nonlinear mixed models *Journal of Statistical Computation and Simulation*. | DOI: 10.1080/00949655.2014.948442. Vol 85:13, **2015**, 2656-2665.

Original Manuscripts on Statistics in Refereed Proceedings Published as Books:

1. Pázman A. and **Volaufová J.** Polynomials of parameters in the regression model-estimation and design. In Wet al. Grossmann, editor, *Probability and Statistical Inference*, pages 275-285, Dordrecht, Holland, 1982. D. Reidel Publishing Company.
2. **Volaufová J.** Quadratic estimation of variance components in replicated linear model with linear restrictions. In: J. Volaufová, and A. Pázman, editors, *PROBASTAT '91, International Conference on Probability and Mathematical Statistics. Proceedings*, Bratislava, August 1991.
3. **Volaufová J.** A brief survey on the linear methods in variance-covariance components model. In: Werner Müller, H.P. Wynn, and A.A. Zhigljavsky (Eds.) *Model-Oriented Data Analysis, Proceedings of the 3rd International Workshop, Petrodvorets, Russia, May 25--30, 1992*. Physica Verlag Vienna 185--196, 1993.
4. **Volaufová J.** Estimation of parameters in a special type of random effects model. In: Calinski and R. Kala (Eds.) *Proceedings of the International Conference on Linear Statistical Inference LINSTAT '93, Poznan, Poland, May 31 -- June 4, 1993*. Kluwer Academic Publishers, 177-182, 1996.
5. **Volaufová J.** The empirical linear predictor and its MSE. In: A. Pázman and V. Witkovský (Eds.) *PROBASTAT '94, Proceedings of the Second International Conference on Mathematical Statistics, Smolenice, May 30 --- June 3, 1994*. Tatra Mountains Mathematical Publications, Mathematical Institute Slovak Academy of Sciences, Bratislava, 177 -- 182, 1996.
6. **Volaufová J** and LaMotte LR. Interval estimation of noncentrality parameter of F-distribution. *Probastat'98. Tatra Mountains Mathematical Publications*. Eds: Andrej Pazman, Gejza Wimmer. Vol. 17. 83 -- 89, 1999.

7. **Volaufova J**, Redmann, S., and LaMotte LR. Is Logistic regression the best for binomial response? *Tatra Mountains Mathematical Publications*. PROBATAT'02, PART II, Eds.: Frantisek Stulajter, Gejza Wimmer. Volume 26, 2003.

Articles on applications in refereed journals:

1. Rybkin II, You Zhou, **Volaufova J**, GN Smagin, DH Ryan, and RBS Harri. The effect of restraint stress on food intake and body weight is determined by time of day. *Am. J. Physiol.* 273 (Regulatory Integrative Comp. Physiol. 42): R1612-R1622, 1997.
2. Borne, A.T., AA Truett, MP Monteiro, **Volaufova, J.**, and West, D.B. Changes in skeletal muscle vascular resistance with weight gain: associations with insulin and sympathetic activity. *Obes.Res.* 7(1): 68-75. 1999.
3. Ryan Donna H., George A. Bray, Fred Helmcke, Gary Sander, **Julia Volaufova**, Frank Greenway, Pramilla Subramaniam, and D. Luke Glancy. Serial echocardiographic and clinical evaluation of valvular regurgitation before, during and after treatment with fenfluramine or dexfenfluramine and mazindol or phentermine. *Obesity Research.* 7(4):313—323, 1999.
4. Bray, G.A., J.P. DeLany, D.W. Harsha, **J. Volaufova** and C.C. Champagne. Evaluation of body fat in fatter and leaner 10-y old African-American and white children: the Baton Rouge Children's Study. *Am J Clin Nutr.* April 2001;73:687-702.
5. Waters WF, Magill RA, Bray GA, **Volaufova J**, Smith SR, Lieberman HR, Hurry M, Anderson T, Ryan DH. A comparison of tyrosine, against phentermine, caffeine, and d-amphetamine during sleep deprivation. *Nutritional Neuroscience* 6(4):221-235, 2003.
6. Magill RA, Waters WF, Bray GA, **Volaufova J**, Smith SR, Lieberman HR, McNevin N, Ryan DH. Effects of tyrosine, phentermine, caffeine, d-amphetamine, and placebo on cognitive and motor performance deficits during sleep deprivation. *Nutritional Neuroscience* 6(4):237-246, 2003.
7. DeLany, J.P., Bray, G.A., Harsha, D.W., **Volaufova, J.** Energy expenditure in preadolescent African American and white boys and girls: the Baton Rouge Children's Study. *American Journal of Clinical Nutrition.* 75 (4): 705-713 APR 2002.
8. Smith SR, De Jonge L, Zachwieja J, Roy H, Tuong Nguyen, Rood J, Windhauser M, **Volaufova J**, and Bray GA,: Concurrent physical activity increases fat oxidation during the shift to a high-fat diet¹⁻³. *American Journal of Clinical Nutrition.* 72:131-8. 2000.
9. Bray GA, Lovejoy JC, Most-Windhauser M, Smith SR, **Volaufova J**, Denkins Y, de Jonge L, Rood J, Lefevre M, Eldridge AL, Peters JC: A 9-mo randomized clinical trial comparing fat-substituted and fat-reduced diets in healthy obese men: the Ole Study. *American Journal of Clinical Nutrition.* 76 (5): 928-934 NOV 2002.
10. Roy, H.J., Windhauser Most, M., Sparti A., Lovejoy, J.C., **Volaufova, J.**, Peters, J.C., and Bray G.A.. Effect on body weight of replacing dietary fat with Olestra for

- two or ten weeks in healthy men and women. *Journal of the American College of Nutrition*. 21 (3): 259-267. June 2002.
11. Smith, K.B., **Volaufova, J.**, West, D.B. Increased flavor preference and lick activity for sucrose and corn oil in SWR/J versus AKR/J mice. *Am J Physiol Regul Integr Comp Physiol*. 2001 Aug; 281(2):R596-606.
 12. Smith, S.R., Lovejoy, J.C., Greenway, F, Ryan, D.H., deJonge, L., de la Bretonne, J., **Volaufova, J.**, and Bray, G.A.. Contributions of total body fat, abdominal subcutaneous adipose tissue compartments, and visceral adipose tissue to the metabolic complications of obesity. *Metabolism*, Vol 50, No 4 (April), 2001: pp 425-435.
 13. Bray, G.A., J.P. DeLany, D.W. Harsha, **J. Volaufova** and C.C. Champagne. Body composition of twelve-year-old African-American and Caucasian children: A 2-year follow-up of the Baton Rouge Children's (BAROC) study. *Obesity Research* 9 10 605-21. October 2001.
 14. Bray, G.A., J.P. DeLany, **J. Volaufova**, D.W. Harsha, and C.C. Champagne. Prediction of body fat in 12-y-old African American and white children: evaluation of methods. *American Journal of Clinical Nutrition*. 76 (5): 980-990 NOV 2002
 15. Smith, S.R., deJonge, L., Zachweija, J.J., **Volaufova, J.**, and Bray, G.A.: Excess Post-Exercise Oxygen Consumption: Interaction with Dietary Fat Content. Submitted to *Medicine & Science in Sports & Exercise*. July 2001.
 16. A. M. Brown, D. K. Mayfield, **J. Volaufova** and G. Argyropoulos: The gene structure and minimal promoter of the human agouti related protein. *Gene* 277 1-2 231-8. October 2001.
 17. Berthaud Hans-Rudolf, Henning Grant, Campbell Matthew, **Volaufova Julia**, and Costa Marcello: Video-based spatio-temporal maps for analysis of gastric motility in vitro: effects of vagal simulation in guinea pigs. *Neurogastroenterology & Motility*. 14 (6): 677-688 DEC 2002.
 18. DeLany, J., Bray, G.A., Harsha, D.W., **Volaufova J.**: Energy expenditure in African American and White boys and girls in the 2-year follow-up of the Baton Rouge Children's study. *American Journal of Clinical Nutrition*. 79(2):268-273 February 2004.
 19. Smith SR, Lovejoy JC, Rood J, Windhauser M, Wickersham PJ, **Volaufova J**, Ryan D, Tulley R, Bray GA. Effects of triiodothyronine on bone metabolism in healthy ambulatory men. *Thyroid*. 13(4):357-364. May 2003.
 20. Champagne CM, Bray GA, Kurtz AA, Monteiro JBR, Tucker E, **Volaufova J**, Delany JP. Energy intake and energy expenditure: A controlled study comparing dietitians and non-dietitians. *Journal of the American Dietetic Association*. 102 (10): 1428-1432 OCT 2002.
 21. Richards Smith, BK., Belton BN., Poole AC., Mancuso JJ., Churchill GA., Li R., **Volaufova J**, Zuberi A, and York B. QTL analysis of self-selected macronutrient diet intake: fat, carbohydrate, and total kilocalories. *Physiol Genomics* 11: 205-217, 2002. First published September 17, 2002; 10.1152/physiolgenomics.00037.2002.
 22. Brenda K. Smith Richards, Brenda N. Belton, Barbara York, **Julia Volaufova**. Mice bearing Acads mutation display altered postingestive but not 5-s orosensory response to dietary fat. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology*. 286 (2): R311-R319 FEB 1 2004.

23. Steven R. Smith, M.D., Jennifer C. Lovejoy, Ph.D., George A. Bray, M.D., Jennifer Rood, Ph.D., Marlene M. Most, Ph.D., R.D., Peter J. Wickersham, MS, MAppStat, **Julia Volaufova**, Ph.D., and Donna H. Ryan, MD. Effects of triiodothyronine on calcium balance during bed rest. Submitted to *Metabolism*. August, 2005 (got published but they left me out).
24. Steven R. Smith, Lilian de Jonge, **Julia Volaufova**, Yinmei Li, Hui Xie, and George Bray. Effect of pioglitazone on body composition and energy expenditure: a randomized controlled trial. *Metabolism Clinical and Experimental*. 54 (1): 24-32. January 2005.
25. **Volaufova, J.**: Statistical Methods in Biomedical Research and Measurement Science. *Measurement Science Review*. June 2005. Vol 5 (1) :1-10.
26. Tulley, R.T., Vaidyanathan, J., Wilson, J.B., Rood, J.C., Lovejoy, J.C., Most, M.M., **Volaufova, J.**, Peters, J.C., and Bray, G.A.. Daily intake of multivitamins during long-term intake of Olestra in men prevents declines in serum vitamins A and E but not carotenoids. *Journal of Nutrition*. Vol. 135, No.6: 1456-1461 June 2005.
27. Donald A. Williamson, Paula J. Geiselman, Jennifer Lovejoy , Frank Greenway, **Julia Volaufova**, Corby K. Martin, Cheryl Arnett, and Lauren Ortego: Effects of Consuming Mycoprotein or Tofu upon Subsequent Eating Behavior, Hunger, and Satiety. *Appetite* 46 (1): 41-48, January 2006.
28. Lovejoy JC, Bray GA, Lefevre M, Smith SR, Most MM, Denkins YM, **Volaufova J**, Rood JC, Eldridge AL, Peters JC. Consumption of a controlled low-fat diet containing olestra for 9 months improves health risk factors in conjunction with weight loss in obese men: the Ole study. *International Journal of Obesity*. 27 (10): 1242-1249 OCT 2003.
29. Martin J, Wang Zhong G, Zhang Xian, Jones, RL, **Volaufova J**, Cefalu WT , and Matthews DE. Chromium Piccolinate Supplementation Attenuates Body Weight Gain and Increases Insulin Sensitivity in Subjects with Type 2 Diabetes. *Diabetes Care*. 29 (8): 1826-1832, Aug 2006.
30. Leonie K Heilbronn, James DeLany, Lilian de Jonge, Madlyn Frisard, D. Enette Larson Meyer, Jenifer Rood, Tuong Nguyen, Corby K. Martin, **Julia Volaufova**, Marlene M Most, Frank L Greenway, Steven R Smith, Walter Deutsch, Donald Williamson, Eric Ravussin. Effect of 6-months calorie restriction on biomarkers of longevity, metabolic adaptation, and oxidative stress in overweight individuals. *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*. 295 (13): 1539-1548, April 6, 2006. PMID: PMC2692623
31. Heilbronn LK, de Jonge L, Frisard MI, DeLany JP, Larson-Meyer DE, Rood J, Nguyen T, Martin CK, **Volaufova J**, Most MM, Greenway FL, Smith SR, Deutsch WA, Williamson DA, Ravussin E . Effect of 6-month calorie restriction on biomarkers of longevity, metabolic adaptation, and oxidative stress in overweight individuals: A randomized controlled trial (vol 295, pg 1539, 2006) *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*. 295 (21): 2482-2482, JUN 7, 2006.
32. Martin C.K., Heilbronn, L.K., Levitan L., **Volaufova J.**, Anton S.D., Greenway F.L., Smith S.R., Williamson D.A., Ravussin E. Effect of calorie restriction on the

- metabolic adaptation of resting metabolic rate and spontaneous physical activity. *OBESITY* (15): 2964-2973, Dec 2007.
33. K. Ganesh Kumar, Angela C. Poole, Barbara York, **Julia Volaufova**, Aamir Zuberi, and Brenda K. Smith Richards. Quantitative trait loci for carbohydrate and total energy intake on mouse Chromosome 17: Congenic strain confirmation and candidate gene analyses (Glo1, Glp1r). *American Journal of Physiology-Regulatory Integrative and Comparative Physiology* 292 (1): R207-R216 JAN 2007.
 34. DeLany JP, Bray GA, Harsha DW and **Volaufova J.** Energy expenditure and substrate oxidation predict changes in body fat in children. *Am J Clin Nutr* 2006; 84(4):862-70.
 35. Katie E. Cherry, Karri S. Hawley, Erin M. Jackson, **Julia Volaufova**, L. Joseph Su, S. Michal Jazwinski. Pictorial Superiority Effects in the Oldest-Old. *Memory* 2008, 16(7): 728-741. PMID: PMC2575043
 36. Kumar, K.G., Byerley, L.O., **Volaufova, J.**, Drucker, D.J., Churchill, G.A., Li, R., York, B., Zuberi, A., Richards, B.K.S.: Genetic variation in Glp1r influences the rate of gastric emptying in mice. *American Journal of Physiology-Regulatory Integrative and Comparative Physiology*. 294(2): R362-R371. Feb 2008.
 37. Katie E. Cherry, Erin M. Jackson, Jennifer L. Silva, **Julia Volaufova**, Lynn R. LaMotte, David A. Welsh, L. Joseph Su, S. Michal Jazwinski, Rebecca Ellis, Robert H. Wood, and Madlyn Frisard. Social Network Characteristics and Physical Health in Younger, Older, and Oldest-Old Adults in the Louisiana Healthy Aging Study (LHAS). Submitted to *Developmental Psychology*. December 2007.
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 55. Vinod Dasa, Gabriel Lensing, Miles Parsons, Justin Harris, **Julia Volaufova**, Ryan Bliss: Percutaneous freezing of sensory nerves prior to total knee arthroplasty. *The Knee*. Submitted August 18, 2015, **Accepted January 13, 2016**. Doi:10.1016/j.knee.2016.01.011.
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4. **Volaufová J.** Estimation of parameters in two stage etalon networks. In Xth IMEKO World Congress, Vol 1, pages 99-104, Praha, 1985. House of Techn. CSVTS.
5. Kubáčková L. and **Volaufová J.** On optimal processing of measurement data. (In Slovak). In Současné problémy gravimetrie. Zborník z celoštátneho seminára 9.-13.6 Liblice, page7, Brno, jún 1986. Geofyzika, k.p.
6. **Volaufová J.** and Volauf P. Estimation of quadratic function of mean of parameter. (In Slovak). In PROBASTAT '87. Zborník príspevkov, pages 118--119, Liptovský Mikuláš, 1987. JSMF -- VVTŠ CSSP.
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9. **Volaufová J.** Structures of linear models in measurement. (In Slovak). In Meranie a výpočtová technika, pages 13--15, Bratislava, 1989. DT SVTS.
10. **Volaufová J.** and Witkovský V. Statistical properties of LSE of variance components in mixed linear models. (In Slovak). In ROBUST '90, pages 182--191, Liblice, 1990. JCSMaF.
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12. **Volaufova J.** Estimation in growth-curve model with missing data. In MEASUREMENT '92 3rd Conference. Proceedings, Smolenice, May 18-20, 1992. UM SAV.
13. **Volaufova J.** Estimation of variance components in growth curve models with restrictions. (In Slovak). In ROBUST '92, Herbertov, September 14 – 18, 1992. JCSMaF.
14. **Volaufova J.** Best linear empirical predictor and estimation of its MSE. (In Slovak). In ROBUST '94, Malenovice, January 17 –21, 1994. JCSMaF.

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2. Volaufova, J., Markiewicz, A: Preface. Communications in Statistics – Theory and Methods. Volume: 43, Issue: 5, Pages: 919-920, Special Issue: SI. Published: MAR 4 2014 <http://www.ncbi.nlm.nih.gov/pubmed/?term=Volaufova+J>

Posters:

1. **Volaufová J.** Estimation of polynomials. Poster at 5th Summer school, Sellin, Germany, 1981.
2. **Volaufová J.** Theoretical aspects of modeling with respect to regression. Poster at IMEKO Workshop, Prague, March 1988.
3. **Volaufová J.**, V. Witkovský, and M. Bognárová. On the confidence region of parameter of mean in mixed linear models. Poster at European meeting of Statisticians, Berlin, August 1988.
4. Ryan DH, Bray GA, Helmcke F, Sanders G, **Volaufova J**, Alfonso A, Greenway F, Subramaniam PN, and Glancy DL. Serial echocardiographic/clinical evaluation: Patients treated with fenfluramine (F) or dexfenfluramine (D). Poster presented at Nutrition, Genetics, and Obesity Symposium. March 1 - 3, 1998, PBRC. Baton Rouge, USA

Abstracts:

1. Barkate M., Windhauser M, Schorle S, S. Richard, **Volaufova J**, M. Lefevre. The effect of chronic defatted rice bran consumption on postprandial lipemia. *FASEB J* 10:A256, 1996.
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3. Ryan D.H., G.A. Bray, F. Helmcke, G. Sanders, **Volaufova J**, F. Greenway, P.N. Subramaniam, and D.L. Glancy. Echocardiographic abnormalities in patients treated with fenfluramine (F) or dexfenfluramine (D). Submitted to the 8th International Congress on Obesity. August 29 - September 3, 1998, Paris.
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8. Champagne CM, DeLany JP, Kurtz AA, , **Volaufova J**, Monteiro JBR, Bray GA. Reported energy intakes versus energy expenditure in dietitians and controls. *OBES RES* 9: 123S-123S Suppl. 3 SEP 2001

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11. Bray G, Lieberman H, Magill R, Ryan D, **Smith SR**, Volaufova J, Waters W. Caffeine effects during sleep deprivation and recovery. In: *Caffeine for the Sustainment of Mental Task Performance*, Formulations for Military Operations, Institute of Medicine. Committee on Military Nutrition Research Food and Nutrition Board. National Academy Press, Washington, D.C., 2001.
12. Champagne CM, DeLany JP, Kurtz AA, **Volaufova J**, Bray GA. Reported energy intakes versus energy expenditure using doubly labeled water in dietitians and non-dietitian controls. *AMERICAN JOURNAL OF CLINICAL NUTRITION* Volume: 75 Issue: 2 Supplement: S Pages: 355S-355S Meeting Abstract: P53 Published: FEB 2002.
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15. James P. DeLany, Ph.D., George A. Bray, M.D., David W. Harsha, Ph.D., Catherine M. Champagne, Ph.D., and **Julia Volaufova**, Ph.D.: Longitudinal Decrease in Activity Energy Expenditure in Children Measured by Doubly Labeled Water and Activity Monitors. *OBESITY RESEARCH* Volume: 11 Supplement: S Pages: A105-A105 Published: SEP 2003.
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19. Williamson, D, Geiselman, P, Greenway, F, **Volaufova, J**, Martin, C, Arnett, C, Ortego, L. Effects of consuming mycoprotein or tofu upon subsequent eating

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 26. Soros, A, Chalew, S, Bennet, B, **Volaufova, J**, Cefalu, W, Larsen-Meyer, E, Vargas, A, Sothorn, M . Hypoglycemia during Frequently Sampled Intravenous Glucose Tolerance Test in Pre-Pubertal Children. *DIABETES* Volume: 58 Pages: A454-A454 Published: JUN 2009
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 29. Bonis, M., Loftin, M., Ward, D., Lewis, L., Volaufova, J., Tseng, TS, Clesi, A., Mohler, M ., Arguello, A., Sothorn, M.,: Increased Physical Activity by Accelerometry in Pre-school Daycare Centers Following Implementation of the NAPSACC Program. In.: *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE* , Volume: 45, Pages: 1-1 Meeting Abstract: 79, Published: MAY 2013

Presentations at conferences, seminars, colloquia:

1. **Volaufova, J.:** On Variances of Two-stage Estimators in Mixed Linear Models. Seventh International Workshop on Matrices and Statistics in Celebration of T.W. Anderson's 80th Birthday. Fort Lauderdale, Florida: December 11 - 14, 1998.
2. **Volaufova, J.:** Selected topics on power analysis; Statistical issues exemplified in the NASA Pilot phase and Bed rest phase. Workshop on Statistical Methods and Data Management Using the NASA Project. PBRC, November 1998.
3. **Volaufova, J.:** On interval estimation of noncentrality parameters. International Conference on Statistics: Reflections on the past and visions on the future. International conference in honor of Professor C.R. Rao at the occasion of his 80th birthday. San Antonio, Texas, March 16 - 19, 2000.
4. **Volaufova, J.:** Estimation of noncentrality parameters. Spring meeting of the Louisiana Chapter of ASA, Lafayette, April 28, 2000.
5. **Volaufova, J.:** On Estimation problems in two-stage linear models. Fall meeting of the Louisiana Chapter of ASA, Baton Rouge, December 1, 2000.
6. **Volaufova J, Redmann, S., and LaMotte LR.** Is Logistic regression the best for binomial response? The Fourth International Conference PROBASTAT 2002, Smolenice, Slovak Republic, . February 4-8, 2002.
7. **Volaufova, J.:** Heteroscedastic Mixed Model Approach to Methods Comparison. 24th European Meeting of Statisticians 2002, 14th Prague Conference on Information Theory, Statistical Decision Functions and Random Processes. Prague, Czech Republic, August 19-23, 2002.
8. **Volaufova, J.:** Two-way heteroscedastic mixed model for methods comparisons. Eleventh International Workshop on Matrices and Statistics 2002. In Celebration of George P.H. Styan's 65th Birthday. Lyngby, Denmark, August 29-31. 2002.
9. **Volaufova, J.** Statistical Methods in Biomedical Research and Measurement Science. Presentation at a colloquium at the Division of Biostatistics, Washington University, St. Louis, September 2005.
10. **Volaufova, J.** Statistical Issues in Medical and Biomedical Environment. COBRE Faculty Development Presentation, March 8, 2006. LSUHSC MEB.
11. **Volaufova, J.** Variable selection issues in generalized linear models. Contributed paper at the Fifteenth international workshop on matrices and statistics, Uppsala, Sweden, June 13 – 17, 2006.
12. **Volaufova, J.** Approximate tests of fixed effects parameters in repeated measures design models. Presentation at the International conference PROBASTAT 2006, Smolenice, Slovakia, June 5 – 9, 2006.
13. **Volaufova, J.** Comparisons of approximate fixed effects tests in linear models with variance-covariance components. Presentation at the minisymposium on Linear Algebra in Statistics at the International Linear Algebra Society Conference, Amsterdam, The Netherlands, July 18-21, 2006.
14. **Volaufova, J.** Basic Statistical Issues in LHAS. Talk presented at the EC meeting of the Louisiana Healthy Aging Study. December 6, 2006, PBRC, Baton Rouge.
15. **Volaufova, J.** Heteroscedastic ANOVA – Old Solutions, New Views. Spring Meeting of Louisiana Chapter ASA. Baton Rouge. May 2, 2008.

16. **Volaufova, J.** Heteroscedastic ANOVA – Old Solutions, New Views. Presentation at a departmental seminar at Department of Statistics, Kansas State University. June 2, 2008.
17. **Volaufova, J.** Heteroscedastic ANOVA – Old Solutions, New Views. Presentation at a departmental seminar at Department of Experimental Statistics, LSU. September 24, 2008.
18. **Volaufova, J.** Summary measures and random coefficients models. Presentation at the 18th International Workshop on Matrices and Statistics. Smolenice, Slovakia, June 23 – 27, 2009.
19. **Volaufova, J.:** Testing hypotheses in linear models with two variance-covariance components. Presentation at PROBASTAT 2011, Smolenice, Slovakia, July 4 – 8, 2011.
20. **Volaufova, J.:** My Sabbatical Year in Europe. Special presentation at LSUHSC, September 20, 2011.
21. **Volaufova, J.:** On Exact Testing Problems in Linear Models with Two Variance-covariance Components. Presentation at the LSUHSC SPH Biostatistics seminar series. September 26, 2011.
22. **Volaufova, J,** Burton Jeff: A note on hypothesis testing in mixed models. Presentation at LINSTAT 2012, July 16 – 20, 2012, Bedlewo, Poland.
23. Burton, Jeff, **Volaufova, J.:** Two-stage approximate testing in nonlinear mixed models. Presentation at 22nd IWMS, August 12-15, 2013, Toronto, Canada.
24. **Volaufova, J.,** Blaha, O., LaMotte, LR: On R^2 in linear mixed models. Presentation at 23rd IWMS, June 8-12, 2014, Ljubljana, Slovenia.
25. **Volaufova, J.,** Blaha, O., LaMotte, LR: More on criteria of variable selection in fixed effects linear models. Presentation at 24th IWMS, May 25 – 28, 2015, Haikou, China.
26. **Volaufova, J.,** Blaha, O., LaMotte, LR: Model identification and follow-up inference in fixed effects linear models. Presentation at PROBASTAT 2015, Smolenice, Slovakia, **June 29 – July 3, 2015.**
27. **Volaufova J.,** Burton, J.: Approximate small-sample tests of fixed effects in nonlinear mixed models. Tulane University, Department of Mathematics, Colloquium Series. **April 14, 2016.**

SERVICE:

Committee Assignments:

International:

1. Member of the organizing committee of the International Conference ProbaStat '91, Bratislava 1991.
2. Chairman of the organizing committee of The International Workshop Statistical Analysis and Design, Bratislava 1992;
3. Chairman of local organizing committee of the international conference MEASUREMENT '93, Smolenice 1993;

4. Chairman of the local organizing committee of the 2nd International conference on probability and mathematical statistics ProbaStat'94, held in Smolenice from May 30 – June 3, 1994.
5. Member of the international program committee for Probastat 2006, held in Smolenice Castle, June 5 – 9, 2006.
6. Member of the organizing committee of the Winter Workshop on Mathematical Statistics Bratislava 2008, to be held in Bratislava, December 15.-16. 2008, at the occasion of the 70th birthday of Professor Andrej Pazman.
7. Chair of the international organizing committee for the 18th International Workshop on Matrices and Statistics (IWMS 2009), Smolenice Castle, Slovakia, June 23 – 27, 2009.
8. Member of the International organizing committee for the 19th International Workshop on Matrices and Statistics (19th IWMS 2010) to be held in Shanghai, China, June 5 – 9, 2010.
9. Chair of the international program committee for the 6th International conference PROBASTAT 2011, Smolenice Castle, Slovakia, July 4 – 8, 2011.
10. Member of the International Organizing Committee of the joint meeting LINSTAT2012 and 21st IWMS to be held in Bedlewo, Poland, July 16 – 20, 2012. At LINSTAT2012, organizing a Special session on Mixed Models.
11. Member of the International Organizing Committee of the 22nd IWMS held in Toronto, Canada, August 12 – 15, 2013.
12. Member of the Scientific Organizing Committee of the 23rd IWMS in conjunction with the 2nd LAW, Ljubljana, Slovenia, June 8 – 12, 2014.
13. Member of the International Organizing Committee of the 24th IWMS held May 25 – 28, 2015, Hainan Normal University, Haikou, China. Organizer of a special session at the occasion of Dr. Simo Puntanen's 70th birthday and a special mini-symposium (jointly with S. Puntanen) on linear and mixed models.
14. Member of the International Program Committee for the 7th international conference Probastat 2015, Smolenice Castle, June 29 – July 3, 2015. Co-organizer of a session on Regression and Mixed Models.
15. Vice Chair of the Scientific Committee of the 25th IWMS held June 6 – 9, 2016, Madeira, Portugal.
16. Member of the International Program Committee for the 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, June 29 – July 1, 2016.

Local:

1. Elected Vice President of the Louisiana Chapter of the ASA - April 28, 2000 - April 20, 2001
2. Elected President of the Louisiana Chapter of the ASA - April 20, 2001 – May 3, 2002.
3. Elected Secretary-treasurer of the Louisiana Chapter of the ASA – May 3, 2002 – June 2003

Other

1. Department of Experimental Statistics, LSU, program review meeting. February 15, 2002.
2. Ph.D. Comprehensive Examination committee member for Barbora Arendacka. Institute of Measurement Science, Slovak Academy of Sciences, Bratislava, Slovakia. May 2005.
3. Member of the Habilitation committee, a reviewer for Dr. Milan Stehlik, Johannes Kepler University, Linz, Austria, April 2011.

Institutional:

1. PBRC - Management Committee member - Fall 1999 - Summer 2000
2. PBRC - Data management committee - Spring 2000 – June 2004
3. Member of the AP&T committee – 2006-2007.
4. Elected secretary of the Faculty Senate, LSUHSC, 2007 – 2010
5. Elected President-elect of the Faculty Assembly of SPH, July 1, 2011.
6. President of the Faculty Assembly of SPH, July 2012 – June 30, 2014.
7. Past-President of the Faculty Assembly of SPH, July 1, 2014 – June 30, 2015.
8. Open house committee, SPH – January 2013 –
9. Member of the LSU Health, SPH Dean Search Committee – October 2013 – August 2014
10. Participated at OMERAD – Spring session 2012, Fall 2012, Spring 2013.
11. Participated at OMERAD – Spring session 2014.
12. Member of the Biostatistics PhD qualifying examination committee (2008 -)
13. Member of the Faculty Assembly Bylaws Committee (July 1, 2014 – **June 30, 2016.**)

Grant Reviewing:

1. Grant proposal # 201/00/0885, Grant Agency of the Czech Republic. August 1999.
2. Review of grant proposal for the Slovak Research and Development Agency, October 2006.
3. Review of a grant proposal for the Slovak Research and Development Agency, November 2006.
4. Review of a grant proposal for the Slovak Research and Development Agency, November 2007.
5. Review of a grant proposal for the Czech Science Foundation. October 2007.
6. Review of the grant proposal #2/0047/2015 for the Scientific Grant Agency of the Ministry of Education, Science, Research, and Sports of the Slovak Republic. August 2014.

Editorial Boards:

1. Editor of the Proceedings PROBASTAT'91 (together with A. Pázman).
2. Associate Editor of *Acta Mathematica Universitatis Comenianae*, since 1992.
3. Editor of *Tatra Mountains Mathematical Publication*, *Proceedings of Probastat 2006* (together with A. Pazman and V. Witkovsky).
4. Associate editor of *Measurement Science Review*, since January 2009.
5. Associate Editor of *Acta et Commentationes Universitatis Tartuensis de Mathematica*. Published by Faculty of Mathematics and Computer Science, University of Tartu, Estonia. Since 2011.
6. Editor of *Tatra Mountains Mathematical Publication*, *Proceedings of Probastat 2011* (together with V. Witkovsky).
7. Guest Associate editor for *Communications in Statistics – Theory and Methods*, special issue: *Matrix*, July 2012 – April 2014.
8. Associate editor: *Journal of Multivariate Analysis*.

Ad hoc Manuscript Reviewer:

1. Reviewer for *Tatra Mountains Mathematical Publications*
2. Reviewer for *Metrika*
3. Reviewer for *Linear Algebra and Its Applications*
4. Reviewer for *Mathematica Slovaca*
5. Reviewer for *Statistical Papers*
6. Reviewer for *Measurement Science Review*
7. Reviewer for *Journal of Multivariate Analysis*
8. Reviewer for *Statistica Sinica*
9. Reviewer for *Statistics*
10. Reviewer for *Journal of Statistical Computation and Simulation*
11. Reviewer for *Communications in Statistics – Theory and Methods*
12. Reviewer for *The American Statistician*
13. Reviewer (statistics only) for *Dermatologic Surgery*

Consultant position:

1. Statistical consultant in a class action suit, Gailor litigation. Contact person: B. J. "Jeanne" Davis. Taylor, Porter, Brooks & Phillips L.L.P. September 2003.
2. Statistical consultant for a marketing study for *Playtex*, June 2007. Contact John Finn, Ph.D., Playtex.

Teaching Experience:

- **Estimation Theory** taught at the Faculty of Mathematics and Physics, Comenius University Bratislava, 4th year students, 2 semesters. During the academic years 1988/89, 1989/90, 1990/91, and 1991/92.
- **Introduction to Stochastic Methods**, taught at the Faculty of Electrical Engineering of the Slovak Technical University, Ph.D. students, during the academic years 1990/91, 1991/92.
- **Mathematical Statistics**, taught at the Faculty of Civil Engineering of the Slovak Technical University, Ph.D. students, during the years 1991/92, 1992/93.
- **Linear Models**, taught at the Faculty of Mechanical Engineering of the Slovak Technical University, Ph.D. students, during the academic year 1991/92.
- **Theory of General Linear Models** in the Biometry program at the Dept. of Biometry and Genetics, LSU Medical Center, Fall semester 1994.

Graduate courses in probability and mathematical statistics, including introductory and intermediate stochastic methods for engineers at the Slovak Technical University Bratislava:

- **Biostatistics for Research Scientists**, lecture series given at Pennington Biomedical Research Center, Feb.- July, 1995.
- **Introductory Statistical Methods** for graduate students, Dept. of Experimental Statistics, LSU, Fall semester 1995, Spring semester 1996, and Fall semester 1996.
- **Biostatistical Methods**, Department of Experimental Statistics, LSU, Spring semester 1996.
- **Mixed Models**, regular weekly educational seminar for graduate students, research associates, and faculty, held at PBRC. November 1997 – June 2004
- **Introduction to Probability (BIOS6223 – later BIOS 6204)** graduate course in the Master of Science in Biometry program, LSUHSC – Fall 2004 – Fall 2008, Fall 2011. (6204) Fall 2013 , Fall 2014, **Fall 2015**.
- **Introduction to Statistical Inference (BIOS6224 – later BIOS 6206)** graduate course in the MS in Biometry program, LSUHSC - Spring 2005 – Spring 2009, Spring 2012 (6206) Spring 2014, Spring 2015, **Spring 2016**.
- **Statistical consulting (BIOS6296)** graduate course in the MS in Biometry program, LSUHSC - Fall 2006, Fall 2007, Fall 2009.
- **Biostatistics Seminars (BIOS6298)** – seminar sessions required for graduate students in the MS in Biometry program - Fall 2006, Spring 2013.
- **Multivariate Analysis (BIOS6308)** – graduate course in the Ph.D. in Biostatistics program, LSUHSC – Spring 2010, Spring 2015, **Spring 2016**.
- **Theory of Mixed Models (BIOS7302)** – graduate course in the Ph.D. in Biostatistics program, LSUHSC – Spring 2009, Fall 2012, Fall 2014.
- **Biostatistics Colloquium** – Spring, Fall 2014, Spring 2015.
- **Applied Mixed Models**, an Independent study course for one PhD student in Epidemiology (Symbielle Gaston), 3 credit hours a week, spring 2014.

Supervising students in Master of Applied Statistics program, LSU. Supervising Ph.D. students in probability and statistics, Bratislava.

Supervising students in MS in Biostatistics program, LSUHSC, School of Public Health.: Michelle Finch, graduation June 2006, Christine Wei, graduation June 2006, Clinton Lovell, graduation May 2007; Rui Wang (graduation August 2014), Sonika Sharma (Graduated May 2015);

Supervising students in the Ph.D. in Biostatistics: Jeff Burton (Committee chair, graduated May 2013), **ongoing: Ondrej Blaha** (started Fall 2010), **Tat Yau** (Started Fall 2013), **Paige Fisher** (started Fall 2014);

Member of the MPH committee: Maura Mohler (graduation May 2012);

Member of Ph.D. in Biostatistics Committee: Ying Fan (graduation December 2012), Han Zhu (graduation **May 2016**);

Member of MS in Biostatistics Committee: Yanjun Xu (graduation December 2012), Kaelen Medeiros (graduation **May 2016**), Yi Huang (graduation **May 2016**).